WHAT IS CLAIMED IS:

- 1. A high speed embossing and adhesive printing process, said process comprising the steps of:
 - (a) applying an adhesive to a conformable heated glue application roll;
 - (b) applying said adhesive to a first patterned embossing roll, having an outer surface, which is engaged with a second patterned embossing roll having a complementary pattern to said first embossing roll;
 - (c) passing a web of sheet material between said first and second embossing rolls at a tangential line speed to simultaneously emboss said web and apply said adhesive to said web, such that said adhesive forms an adhesive pattern between embossments; and
 - (d) applying a renewable release agent to the outer surface of the first patterned embossing roll.
 - 2. The process of Claim 1, further comprising the steps of:
 - (a) applying an adhesive to a roll;
 - (b) milling said adhesive to a reduced thickness through a series of metering gaps between a plurality of adjacent glue rolls; and
 - (c) applying said adhesive to said conformable glue application roll.
 - 3. The process of Claim 1, further comprising the steps of:
 - (a) transferring said web from said second embossing roll to said first embossing roll; and
 - (b) stripping said web from said first embossing roll.
 - 4. The process of Claim 1, further comprising the step of cooling said web after said embossing step.
 - 5. The process of Claim 1, wherein said adhesive is a hot melt adhesive.
 - 6. The process of Claim 1, wherein said rolls are heated.
 - 7. The process of Claim 1, further comprising the steps of:
 - (a) applying an adhesive to a roll rotating at an initial tangential speed;

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- (b) milling said adhesive to a reduced thickness and accelerating said adhesive through a series of metering gaps between a plurality of adjacent glue rolls; and
- (c) applying said adhesive to said conformable glue application roll rotating at said tangential line speed which is higher than said initial tangential speed.
- 8. The process of Claim 1, wherein said adhesive is extruded from a heated slot die.
- 9. The process of Claim 1, wherein said first patterned embossing roll is a female embossing roll and said second patterned embossing roll is a male embossing roll.
- 10. The process of Claim 1, wherein the application of the renewable release agent is done by a sprayer.